

[074] Abstract

[075] The present invention relates to specific compositions made by the sulfation of alkoxylated crude guerbet alcohol mixtures that contain between 15% and 50% lower molecular weight alkoxylated alcohols. The lower molecular weight alcohols are the raw material alcohols used to make the guerbet. Sulfated compositions made from this specific bi-modal distribution have unique emulsification properties and experience minimal chromatographic separation when used in downhole applications.